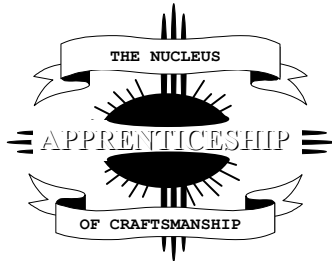




PLANT APPRENTICESHIP STANDARDS
adopted by

UNIVERSITY OF WASHINGTON INSTRUMENT MAKER APPRENTICESHIP

<u>Skilled Occupational Objective(s):</u>	<u>(sponsor)</u>	<u>DOT</u>	<u>Term</u>
INSTRUMENT MAKER		600.280-010	8000 HOURS



APPROVED BY
Washington State Apprenticeship and Training Council
REGISTERED WITH
Apprenticeship Section of Specialty Compliance Services Division
Washington State Department Labor and Industries
Post Office Box 44530
Olympia, Washington 98504-4530

APPROVAL:

JANUARY 21, 2000

Initial Approval

By: LAFRANK NEWELL

Chairman of Council

JANUARY 18, 2002

Addendum Amended

By: PATRICK WOODS

Secretary of Council

Committee Amended

UNIVERSITY OF WASHINGTON INSTRUMENT MAKER APPRENTICESHIP

NOTE: THE FOLLOWING ADDENDUM SHALL BE SPECIFIED TO THE INDIVIDUAL PLANT APPRENTICESHIP PROGRAM AND ITS CRAFTS AND PROBLEMS.

1. **GEOGRAPHICAL AREA COVERED:**

The area covered by these standards shall be the University of Washington Campus, Seattle, Washington.

2. **MINIMUM QUALIFICATIONS:**

Age: Minimum 18 years of age.

Education: Proof of G.E.D. or High School Graduation required.

Physical: Must be physically able to perform all duties of the occupation including lifting ability of 60 lbs.

Testing: None

Other: All applicants must have completed machinist trade school at a Vocational School or Community College or equivalent. Certificate of completion is required. Must have a minimum of six months work experience in a machine shop as a Machinist or Toolmaker trainee or equivalent.

3. **CONDUCT OF PROGRAM UNDER WASHINGTON EQUAL EMPLOYMENT OPPORTUNITY PLAN:**

A. **Selection Procedures:**

Exempt WAC 296-04-330 (8)

B. **Affirmative Action Plan:**

Exempt WAC 296-04-330 (8)

4. **TERM OF APPRENTICESHIP:**

The term of an Instrument Maker apprenticeship is 8,000 hours of reasonably continuous employment.

5. **PROBATIONARY PERIOD:**

The probationary period shall be the first 1000 hours of employment.

6. **RATIO OF APPRENTICES TO JOURNEYMEN:**

The ratio of apprentices to journey-level workers shall not be more than one (1) apprentice to one (1) journey-level worker on the job site. It shall be consistent with proper supervision, training, safety, and continuity of employment.

UNIVERSITY OF WASHINGTON INSTRUMENT MAKER APPRENTICESHIP

7. WAGE PROGRESSION:

Apprentice shall be paid a progressively increasing schedule of wages, in accordance with WAC 296-04-270(2)(c). This progression is as follows:

0000 to 1,000 hours	50% of journey level wage
1,001 to 2,000 hours	56.2% of journey level wage
2,001 to 3,000 hours	62.4% of journey level wage
3,001 to 4,000 hours	68.7% of journey level wage
4,001 to 5,000 hours	75.5% of journey level wage
5,001 to 6,000 hours	81.2% of journey level wage
6,001 to 7,000 hours	87.5% of journey level wage
7,001 to 8,000 hours	93.7% of journey level wage

UNIVERSITY OF WASHINGTON INSTRUMENT MAKER APPRENTICESHIP

8. WORK PROCESSES:

During the period of apprenticeship, the apprentice shall receive such instruction and experience in all branches of the trade as may be available, as is necessary to develop a practical and skilled mechanic who is versed in the theory and practice of this trade. The apprentice shall perform such duties as are commonly related to an apprenticeship in this trade and shall at all times be under the supervision of a competent journey-level worker. Safe working practices shall be a prime consideration in every work operation and in any area assigned for training.

The following work schedule of work experience of the trade is submitted as a guide and will be followed as closely as trade conditions will permit.

<u>Instrument Maker</u>	<u>DOT #600.280-010</u>	<u>HOURS</u>
1. Machine Technology		6110
2. Sheet Metal Technology		250
3. Welding, Fabricating		250
4. R & D Design.....		300
5. Heat Treatment of Metals		80
6. Machine Maintenance & Rebuild		200
7. Fitting, Functional Testing & Related Bench Work		120
8. Wood Working.....		40
9. Computer Technology & CNC Programming		300
10. Advanced Machine Tool Technology.....		350
TOTAL HOURS:		8,000

ALL OF THE FOREGOING WORK EXPERIENCE AS HEREIN NOTED IS UNDERSTOOD TO MEAN AS IT PERTAINS TO THE TRADE HEREIN INVOLVED IN THESE STANDARDS.

UNIVERSITY OF WASHINGTON INSTRUMENT MAKER APPRENTICESHIP

9. RELATED/SUPPLEMENTAL INSTRUCTION:

- A. Each apprentice shall enroll in and attend classes in subjects related to this trade as approved by the State Board for Community and Technical Colleges for a minimum of 144 hours per year.
- B. The methods of related/supplemental training consist of one or more of the following:
 - (X) Supervised field trips
 - (X) Approved training seminars
 - () A combination of home study and approved correspondence courses
 - (X) Technical College (Renton Technical College)
 - () Community College
 - () Training Trust
 - (X) Other (specify): Attend approved University of Washington training and development classes on campus and Environmental, Health, and Safety training classes as recommended by the Sponsor.
- C. Hours 144
- D. Satisfactory progress must be maintained in related training classes.
(See Section 10, Administrative/Disciplinary Procedures).

10. ADMINISTRATIVE/DISCIPLINARY PROCEDURES:

None

11. COMPOSITION OF COMMITTEE:

The Employer Representative Shall Be:

Robert Prong, Technical Services Supervisor II
Applied Physics Lab
1013 NE 40th Street
Seattle, WA 98105-6698

The Employee Representative Shall Be:

Washington State Apprenticeship and Training Council
Department of Labor and Industries
PO Box 44530
Olympia, WA 98504-4530